

IN THE SPECIFICATION

At page 4, line 3, amend the paragraph that starts there as follows:

Another method for handling communication connection in a security gateway is to process data packets on the fly, packet-by-packet. This method is not very suitable for handling TCP connections, but it is used for TCP as well. Figure ~~2~~1B illustrates a client C connected to a server S via a security gateway 110 handling the data packets of the connection between the client C and the server S on a packet-by-packet basis. There is one connection 114 going from the client to the server. In the security gateway 110, there is an agent 112, which takes care of monitoring and modifying the data stream of one packet 116 at a time. Typically, this agent 112 is a specific software code portion, which captures a packet 116, monitors if the data stream therein contains anything that should be modified, modifies the data if necessary and then releases the packet.

At page 15, line 14, amend the paragraph that starts there as follows:

Figure 5C illustrates as an example a flowchart of a still other method for accepting a delayed data packet for processing. The method is applicable for handling data packets containing information fragments belong to a sequence of information fragments or for handling data packets belonging to a set of data packets having at least partly hierarchical structure. In step 419, a first delayed data packet is accepted for processing. This may refer for example to the first delayed data packet, which was accepted for processing in the flowchart of Figure 5B. In step 420, said first delayed data packet and a second delayed data packet are compared. The terms first and second delayed data packet refer in general to some delayed data packets. The comparison may be done either

implicitly or explicitly. If it is detected, that the first delayed data packet contains the information fragment immediately preceding the information fragments of said second delayed data packet in said sequence of information fragments or that the first delayed data packet precedes said second delayed data packet in said at least partly hierarchical structure, the second delayed data packet is accepted for processing in step ~~414~~ 422. Also in this case it is possible to accept several delayed data packets at the same time, if the structure of the set of data packets allows it.

Please amend the abstract as follows.